

ABSTRACT

5 A medical device and position sensor combination
for use in medical applications comprises a position
sensor having a core made of a high permeable material .

10 The core material is made of a Wiegand effect material
comprising a mixture of cobalt, vanadium, and iron. The
position sensor has an outer diameter of approximately
0.4 mm and is used in a medical device having an outer
15 diameter of approximately 0.67 mm.